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ID AA565544 standard; mRNA; EST; 457 BP.
 XX
 AC AA565544;
 XX
 SV AA565544.1
 XX
 DT 11-SEP-1997 (Rel. 52, Created)
 DT 03-MAR-2000 (Rel. 62, Last updated, Version 2)
 XX
 DE nk42d05.s1 NCI_CGAP_GC2 Homo sapiens cDNA clone IMAGE:1016
 DE sequence.
 XX
 KW EST.
 XX
 OS Homo sapiens (human)
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutele
 OC Eutheria; Primates; Catarrhini; Hominidae; Homo.
 XX
 RN [1]
 RP 1-457
 RA NCI-CGAP;
 RT "National Cancer Institute, Cancer Genome Anatomy Project
 RT Gene Index <http://www.ncbi.nlm.nih.gov/ncicgap>;
 RL Unpublished.
 XX
 DR RZPD; [IMAGp998J102536](#).
 DR RZPD; [IMAGp998J102536Q6](#).
 DR UNILIB; [939](#); 939.
 XX
 CC Insert Length: 1022 Std Error: 0.00
 CC Seq primer: -40ml3 fwd. ET from Amersham
 CC High quality sequence stop: 426.
 XX
 CC On Sep 12, 1996 this sequence version replaced gi:1393368.
 CC Contact: Robert Strausberg, Ph.D.
 CC Tel: (301) 496-1550
 CC Email: Robert_Strausberg@nih.gov
 CC Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Mic
 CC Emmert-Buck, M.D., Ph.D.
 CC cDNA Library Preparation: Stratagene, Inc., David B. Krizm
 CC Ph.D.
 CC cDNA Library Arraying: Greg Lennon, Ph.D.
 CC DNA Sequencing by: Washington University Genome Sequencing
 CC Clone distribution: NCI-CGAP clone distribution informatio
 CC found through the I.M.A.G.E. Consortium/LLNL at:
 CC www-bio.llnl.gov/bbrp/image/image.html
 XX
 FH Key Location/Qualifiers
 FH
 FT source 1..457
 FT /db_xref="taxon:9606"
 FT /db_xref="RZPD:IMAGp998J102536"
 FT /db_xref="RZPD:IMAGp998J102536"
 FT /db_xref="RZPD:IMAGp998J102536"
 FT /db_xref="RZPD:IMAGp998J102536"
 FT /db_xref="RZPD:IMAGp998J102536Q6"
 FT

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ID AA813484 standard; mRNA; EST; 422 BP.
 XX
 AC AA813484;
 XX
 SV AA813484.1
 XX
 DT 16-FEB-1998 (Rel. 54, Created)
 DT 03-MAR-2000 (Rel. 62, Last updated, Version 3)
 XX
 DE ai67b05.s1 Soares_testis_NHT Homo sapiens cDNA clone 13758
 DE sequence.
 XX
 KW EST.
 XX
 OS Homo sapiens (human)
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutele
 OC Eutheria; Primates; Catarrhini; Hominidae; Homo.
 XX
 RN [1]
 RP 1-422
 RA NCI-CGAP;
 RT "National Cancer Institute, Cancer Genome Anatomy Project
 RT Gene Index http://www.ncbi.nlm.nih.gov/ncicgap";
 RL Unpublished.
 XX
 DR RZPD; IMAGp998E103473.
 DR UNILIB; 628; 628.
 XX
 CC Insert Length: 1355 Std Error: 0.00
 CC Seq primer: -40m13 fwd. ET from Amersham
 CC High quality sequence stop: 403.
 XX
 CC On Sep 29, 1997 this sequence version replaced gi:1520753.
 CC Contact: Robert Strausberg, Ph.D.
 CC Tel: (301) 496-1550
 CC Email: Robert_Strausberg@nih.gov
 CC cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatim
 CC Bonaldo, Ph.D.
 CC cDNA Library Arrayed by: Greg Lennon, Ph.D.
 CC DNA Sequencing by: Washington University Genome Sequencing
 CC Clone distribution: NCI-CGAP clone distribution informatio
 CC found through the I.M.A.G.E. Consortium/LLNL at:
 CC www-bio.llnl.gov/bbrp/image/image.html
 XX
 FH Key Location/Qualifiers
 FH
 FT source 1..422
 FT /db_xref="taxon:9606"
 FT /db_xref="RZPD:IMAGp998E103473"
 FT /db_xref="RZPD:IMAGp998E103473"
 FT /db_xref="RZPD:IMAGp998E103473"
 FT /db_xref="UNILIB:628"
 FT /mol_type="mRNA"
 FT /note="Vector: pT7T3D-Pac (Pharmacia) with
 FT polylinker; Site_1: Not I; Site_2: Eco RI;
 FT was prepared from mRNA obtained from Clont

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FT      /db_xref="RZPD: IMAGp998J10253606"
FT      /db_xref="RZPD: IMAGp998J10253606"
FT      /db_xref="RZPD: IMAGp998J10253606"
FT      /db_xref="UNILIB: 939"
FT      /mol_type="mRNA"
FT      /note="Vector: Bluescript SK-; Site_1: Eco
FT      Cloned unidirectionally. Primer: Oligo dT
FT      tumor. 5' adaptor sequence: 5' GAATTCGGCAC
FT      sequence: 5' CTCGAGTTTTTTTTTTTTTTTTTTT 3' A
FT      size: 1.2 kb."
FT      /organism="Homo sapiens"
FT      /clone="IMAGE:1016169"
FT      /clone_lib="NCI_CGAP_GC2"
FT      /tissue_type="germ cell tumor"
FT      /lab_host="SOLR (kanamycin resistant)"
XX
SQ      Sequence 457 BP; 104 A; 99 C; 135 G; 119 T; 0 other;
      tttgaaaatc aaacatttaa taaactgtgg ggctgggggt ggggagaact tgc
      ggggagcacg aagcctgggc ctatggagag ggctggactt gctacatttt ggg
      cacaaggagc tttgggtttt tgtttttttc tgccaagatg cattatagaa cca
      caatttctca gtgtggccca aatggtggcc tcacagtctt ctctggaga ctg
      ggcgtgagtc tcccggcagc tgtcagcatt caccatctct gttggtctgt act
      cagtggcctg agaagtagtt tcagccacag aagaaacgaa cacgtctggg ggc
      tgccgggacg tggtggggac tttcccctag agtgggtctgg ccccatctg agt
      tctgctcagg ctggagacac aggtctttgt acacaaa
//
```



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```

ID      HS1749      standard; mRNA; EST; 175 BP.
XX
AC      T19174;
XX
SV      T19174.1
XX
DT      20-DEC-1994 (Rel. 42, Created)
DT      04-MAR-2000 (Rel. 63, Last updated, Version 4)
XX
DE      h01003s Testis 2 Homo sapiens cDNA clone h01003 5' end, mR
XX
KW      EST.
XX
OS      Homo sapiens (human)
OC      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutele
OC      Eutheria; Primates; Catarrhini; Hominidae; Homo.
XX
RN      [1]
RP      1-175
RX      MEDLINE; 95301283.
RX      PUBMED; 7782076.
RA      Pawlak A., Toussaint C., Levy, I, Bulle F., Poyard M., Bar
RA      Guellaen G.;
RT      "Characterization of a large population of mRNAs from huma
RL      Genomics 26(1):151-158(1995).
XX
DR      UNILIB; 120; 120.
XX
CC      Contact: Guellaen G
CC      Unite INSERM 99
CC      INSERM
CC      Unite INSERM 99, Hopital Henri Mondor, 94010 Creteil, Fran
CC      Tel: (33)149813530
CC      Fax: (33)148980908
CC      Email: guellaen@infobiogen.fr
CC      Seq primer: SP6.

```

Key	Location/Qualifiers
1..175	
/db_xref="taxon:9606"	
/db_xref="UNILIB:120"	
/mol_type="mRNA"	
/note="Vector: PGEM 5zf(+); Site_1: Sal1; mRNA was prepared from human testis of a 2 cdNA was prepared using a 15mer oligo dT a degenerated bases at its 3'end and contain at its 5'end. The cdNA was cloned between sites of PGEM 5zf(+). The 3' end is at the Sal1 site is lost during the cloning procedure corresponding to abundant species were eliminated library."	
/organism="Homo sapiens"	
/clone="h01003"	
/clone_lib="Testis 2"	

sequence 175 bp; 40 A, 37 C, 66 G, 22 T; 2 other,
tacggaatgg agcgacaggg agtggacgtg ccccatgtga aatgcaaaga cca
cagcccttgg gggagagcaa ggagcatccg cggatgggaa gagaactgcg agg
tggtggaggg ccagctagtg ccanttgcca gctgacggtc ctggaagnga agt
//

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ID AU043132 standard; mRNA; EST; 511 BP.
XX
AC AU043132;
XX
SV AU043132.1
XX
DT 14-DEC-1998 (Rel. 58, Created)
DT 14-DEC-1998 (Rel. 58, Last updated, Version 1)
XX
DE Mus musculus 16-cell embryo cDNA 3'-end sequence, clone J0
XX
KW EST(expressed sequence tag).
XX
OS Mus musculus (house mouse)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutele
OC Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
XX
RN [1]
RP 1-511
RA Doi H., Ko M.S.H.;
RT ;
RL Submitted (25-NOV-1998) to the EMBL/GenBank/DDBJ databases
RL Hirofumi Doi, Japan Science and Technology Corporation (JS
RL Bioasymmetry Project, ERATO; WBG Marive East 12F, 2-6 Naka
RL Chiba-shi, Chiba 261-7112, Japan (E-mail:hd@bioa.jst.go.jp
RL Tel:+81-43-299-1351, Fax:+81-43-297-7530)
XX
RN [2]
RA Ko M.S.H., Kitchen J.R., Wang X., Threat T.A., Sun T., DeP
RA Liang Y., Kargul G.J., Sharara R., Lim M.K., Doi H.;
RT "Systematic analyses of genes expressed in 16-cell mouse e
RT ERATO/Doi Project at Wayne State University";
RL Unpublished.
XX
DR UNILIB; [1532](#); 1532.
XX
FH Key Location/Qualifiers
FH
FT [source](#) 1..511
FT /db_xref="taxon:[10090](#)"
FT /db_xref="UNILIB:[1532](#)"
FT /mol_type="mRNA"
FT /sequenced_mol="cDNA to mRNA"
FT /organism="Mus musculus"
FT /clone="J0900D01"
FT /clone_lib="Mouse sixteen-cell-embryo cDNA"
FT /dev_stage="sixteen-cell-embryo"
FT /strain="C57BL/6J"
XX
SQ

Sequence 511 BP; 127 A; 110 C; 116 G; 156 T; 2 other;
gaaatcaaaa catttaatca actacagatg tgggttgga gaatttgcta agg
tatggcaggg tcaaaccttg tcacactacg gtaattagca caaagagcat tgg
gtgttggtt acagaactat aaaaaacaat atcagcatgc ctcaaacagc agc
ccttctcaca ttgagatgga agcctcttag cagaagtcag cattcaccat ctt
ctgttcttcg caagtgggaa cctcagactg gacacatagg tccttgta caa
agtttggcag acttggttaa gctccatttc cagatgggtg atctttgcca tct
aaatttttga taatttttga taatttttga taatttttga taatttttga

aaatttcttg tagtctttcc tgaatgattc tgcctggygc ygggtacacc tgg
tctgcctcca aattttctgt tcagattctg agaaccttca tctgagggct gtn
ttggggcata agtggcatgg tccttctggc t

//

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ID MM1276610 standard; mRNA; EST; 394 BP.
 XX
 AC AA386755;
 XX
 SV AA386755.1
 XX
 DT 25-JUN-1997 (Rel. 52, Created)
 DT 03-MAR-2000 (Rel. 62, Last updated, Version 2)
 XX
 DE vc17h03.r1 Ko mouse embryo 11 5dpc Mus musculus cDNA clone
 DE mRNA sequence.
 XX
 KW EST.
 XX
 OS Mus musculus (house mouse)
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutele
 OC Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 XX
 RN [1]
 RP 1-394
 RA Marra M., Hillier L., Allen M., Bowles M., Dietrich N., Du
 RA Geisel S., Kucaba T., Lacy M., Le M., Martin J., Morris M.
 RA Schellenberg K., Steptoe M., Tan F., Underwood K., Moore B
 RA Wylie T., Lennon G., Soares B., Wilson R., Waterston R.;
 RT "The WashU-HHMI Mouse EST Project";
 RL Unpublished.
 XX
 DR RZPD; IMAGp998D061908.
 DR UNILIB; 845; 845.
 XX
 CC On Sep 12, 1996 this sequence version replaced gi:1288550.
 CC Contact: Marra M/Mouse EST Project
 CC WashU-HHMI Mouse EST Project
 CC Washington University School of MedicineP
 CC 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 CC Tel: 314 286 1800
 CC Fax: 314 286 1810
 CC Email: mouseest@watson.wustl.edu
 CC This clone is available royalty-free through LLNL ; contac
 CC IMAGE Consortium (info@image.llnl.gov) for further informa
 CC MGI:467725
 CC High quality sequence stop: 388.
 XX
 FH Key Location/Qualifiers
 FH
 FT source 1..394
 FT /db_xref="taxon:10090"
 FT /db_xref="RZPD: IMAGp998D061908"
 FT /db_xref="RZPD: IMAGp998D061908"
 FT /db_xref="RZPD: IMAGp998D061908"
 FT /db_xref="RZPD: IMAGp998D061908"
 FT /db_xref="UNILIB: 845"
 FT /mol_type="mRNA"
 FT /note="Organ: embryo; Vector: pSPORT1; Sit
 FT Site_2: NotI; Total RNAs were extracted fr
 FT embryos (excluding placenta and yolk sac)
 FT

FT double-stranded cDNA was synthesized with
FT primer GAGAGAGACTAGTTCTAGATCGCGAGCGGCCGCTT
FT 3'. The cDNAs were ligated to LL-Sal3A:
FT GCTATTGACGTCGACTATCC 3' and LL-Sal3B: 5'
FT GGATAGTCGACGTCAAT 3'. The cDNAs were size
FT amplified by long-range PCR using Ex Taq p
FT cycles. The PCR-amplifiable cDNA mixture
FT round of equalization and was digested wi
FT cloned into the SalI/NotI sites of the pS
FT vector (Life Technologies). The library w
FT by Dr. Minoru S. H. Ko and Dr. Xiaohong Wa
FT /sex="pooled"
FT /organism="Mus musculus"
FT /strain="C57BL/6J"
FT /clone_lib="Ko mouse embryo 11 5dpc"
FT /dev_stage="11.5dpc"
FT /lab_host="DH10B"
FT /clone="IMAGE:774869"
FT /tissue_type="embryo"
XX
SQ Sequence 394 BP; 124 A; 97 C; 110 G; 61 T; 2 other;

ctatccaaaa gacggaatgg agcgccacgg agtggcctcc cgtggagtta aag
agccgccgan nttgtggaga gcggagagca tcggcagagt gagaaccacg agg
cggctcagtg gccccgagtg ccagttgccg gctgccagga cccttctcct ctc
tagcattgaa accctgaaga agaaagccca ggaactgatt gaaaacatca atg
gcagaaggac catgcactta tgaccaactt cagggacagc ctcaagatga agg
tctgacagaa aagttggagg agaggatgta ccaggtgtac agccaccaca gca
tcaggaaaga ctacaagaat ttaccagaa gatg

//

FT Inc., and primed with a Not I - oligo(dT)
FT TGTTACCAATCTGAAGTGGGAGCGGCCGCCCAATTTTTTTTTT
FT Double-stranded cDNA was ligated to Eco RI
FT (Pharmacia), digested with Not I and clone
FT and Eco RI sites of the modified pT7T3 vec
FT through one round of normalization to Cot5
FT constructed by Bento Soares and M. Fatima
FT /sex="male"
FT /organism="Homo sapiens"
FT /clone="1375857"
FT /clone_lib="Soares_testis_NHT"
FT /lab_host="DH10B"

XX

SQ

Sequence 422 BP; 93 A; 90 C; 126 G; 113 T; 0 other;

tttttgaaaa tcaaacattt aataaactgt ggggctgggg gtggggagaa ctt
gtggggagca cgaagcctgg gcctatggag cgggctggac ttgctacatt ttg
agcacaagga gctttgggtt tttgtttttt tctgccaaga tgcattatag aac
aacaatttct cagtgtggcc caaatggtgg cctcacagtc ttctcctgga gac
aaggcgtgag tctcccgga gctgtcagca ttcaccatct ctgttggtct gta
agcagtggcc tgagaagtag tttcagccac agaagaaacg aacacgtctg ggg
gttgccggga cgtggtgggg actttcccta gagtggtctg gccccatctg agt
tc

//